

keep the bag upright and well expanded, put three sticks in the earth at an angle. *Argynnis* readily lays so ; also all species of *Satyridae* which I have tried ; so *Pamphila*. The eggs will be laid on the plants, or on the bag, and more or less on the ground. A good method also is to confine the butterflies in a large box, which is covered with a cloth. In the box either plants in pots may be set, or the plants may be rooted in earth. I prefer the former way, however, as when eggs are dropped on the earth in such circumstances, it is almost impossible to find them. Arg. *Diana* and *Cybele* lay freely in this sort of confinement, and I have generally used the box with them. They lay a good deal on the sides of the box, as well as on the cloth, but many eggs will be found on the leaves and stems of the violet. Mr. Mead varied this mode with *Limenitis Arthemis*, with excellent results, as he relates, CAN. ENT., vii., 162: "A notch is cut in the side of any empty wooden box, through which a branch of willow or other appropriate food-plant is passed, care being taken to select a leafy spray, so as to partially fill the box with foliage ; it is then covered with gauze, tacked fast on one side, and part way down on the adjoining sides, that on the fourth side being held down by a piece of wood fastened to the remaining flap of gauze. This renders easy the examination of the contents at any time. Now a saucer of raw dried apples, sugared, and partly filled with water, is put in, and the cage is complete. Butterflies like *L. Arthemis* will live in such a vivarium for two weeks and more after their capture, and appear to enjoy the food provided immensely, laying many more eggs than if enclosed in a bag and allowed to perish of hunger and thirst." Mr. Mead says that in such a box 15 females laid over 500 eggs. I saw this lot at the time, and eggs were all over the willow leaves and the cloth. The limbs of willow were turned down as they grew, and into the box, this being placed on the ground by the brook. So where butterflies are confined in boxes with plants in pots, sugared fruit of any sort may be given. Or when a bag is tied over a pot, a small tin box with similar food may be set on the earth within the bag, and the butterflies very soon discover it.

So a glass jar may be used for small species, and I have often obtained eggs of *Pamphila* by this means, setting a stem of grass with its root in the jar. Mr. H. W. Nash obtains the eggs of *Colias Hagenii* in this manner ; also *L. Melissa*, without trouble. All that would seem to be necessary is that the plant should be apparently a growing one, to induce the butterfly to entrust her eggs to it.